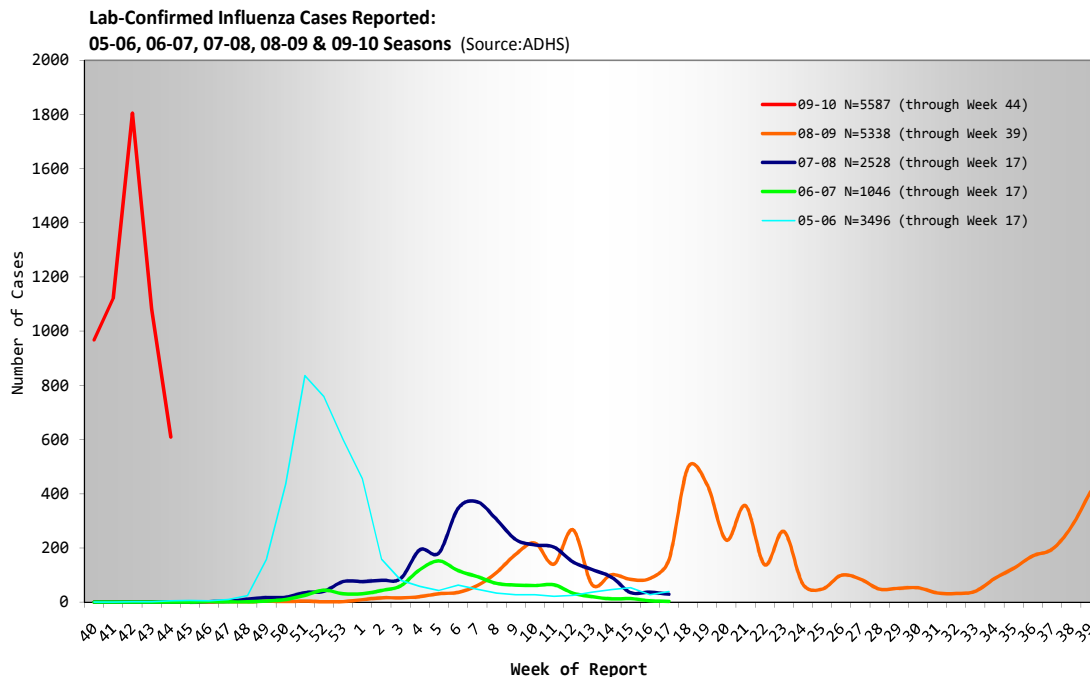


MARICOPA COUNTY INFLUENZA SUMMARY UPDATE

WEEK 44 (11/1/09-11/7/09)

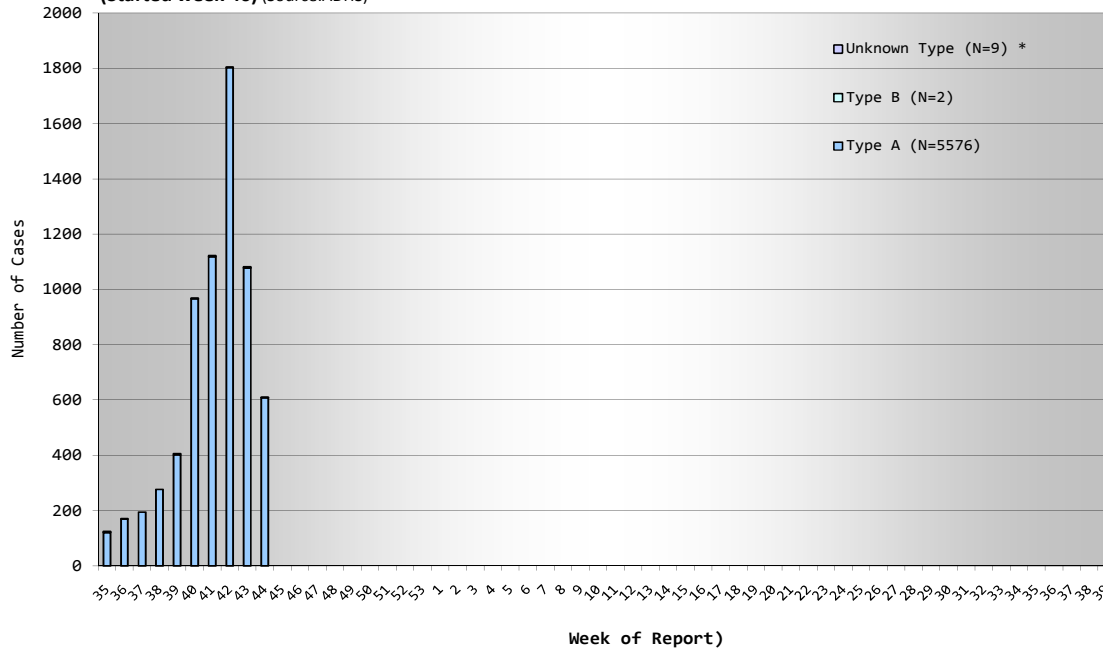
Data contained in this report reflect the time period above with the exception of School Syndromic Surveillance and Selected Emergency Departments which show more current data.

- **Lab Confirmed Influenza:** 5587 cases of influenza have been confirmed at the Arizona State Laboratory (Through week 44)
- **Pneumonia & Influenza Mortality:** 4.94% of all deaths were due to pneumonia or influenza (Week 44) (MCDPH Office of Vital Statistics)
- **Influenza-Like Illness (ILI)** (Through week 44)
 - **Cigna Health Centers** (n=20): 0.94% of visits due to ILI. (provisional data; subject to change as updated information becomes available)
 - **Hospital Emergency Departments** (n=17): 4.30% of visits were due to ILI.
- **Selected Emergency Department (ED) Visits:** (n=6)
 - 0.84% of all visits were due to ILI (As of 11/13/2009)
 - 17.02% of all visits were due to a respiratory syndrome (As of 11/13/2009).
- **School Syndromic Surveillance:** 1.3% of students were absent due to ILI during week 45. (72-school average)



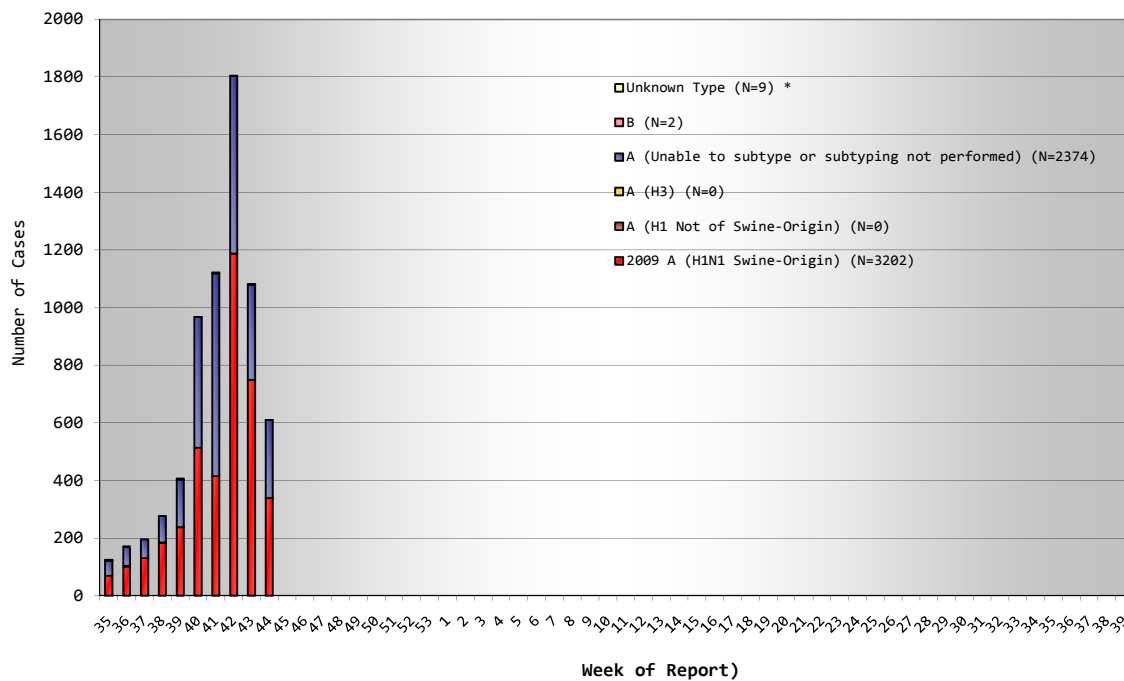
*(N=X) represents confirmed influenza cases for the 2009-2010 season only. (Starting week 40)

Lab-Confirmed Influenza Cases Reported, 08-09 Season (Weeks 35-39 only) & 09-10 Season (Started week 40) (Source:ADHS)



*(N=X) represents confirmed influenza cases for the 2009-2010 season only. (Starting week 40)

Lab-Confirmed Influenza Cases Reported, 08-09 Season (Weeks 35-39 only) & 09-10 Season (Started week 40) (Source:ADHS)

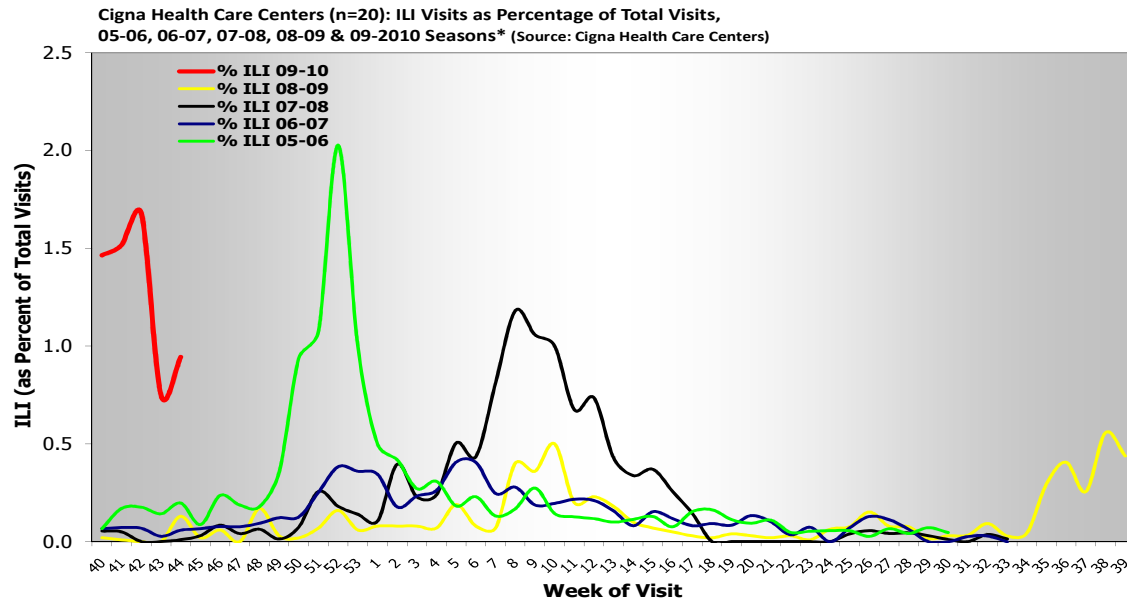


*(N=X) represents confirmed influenza cases for the 2009-2010 season only. (Starting week 40)

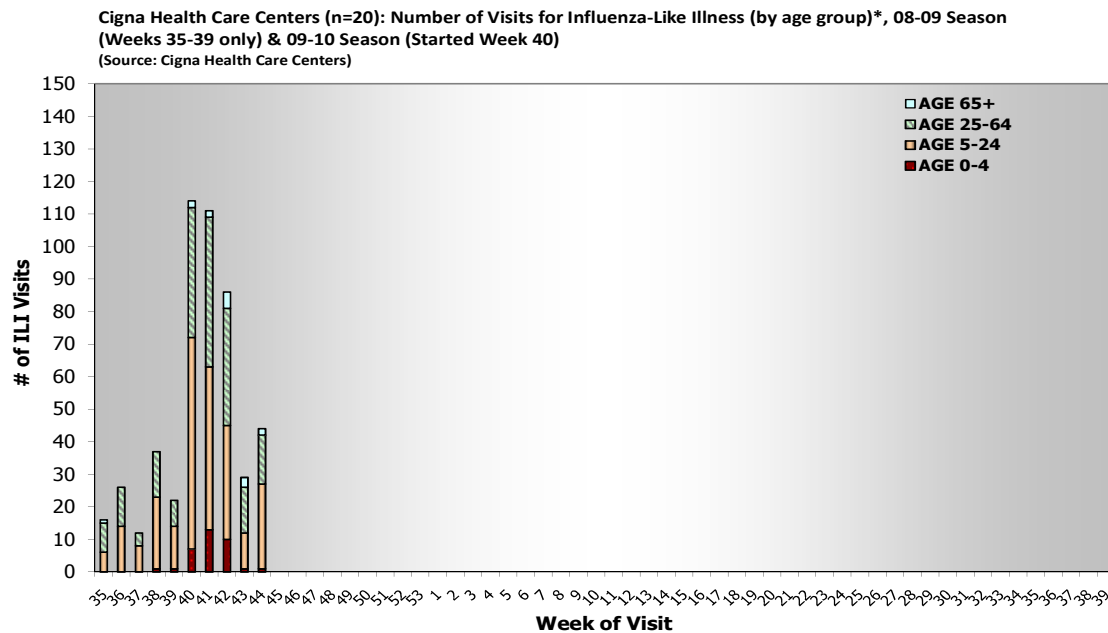
Influenza-Like Illness (ILI)* Surveillance

*ILI case definition: fever (at least 100°F) AND cough and/or sore throat.

- During Week 44, 0.94% of patient visits to Cigna Health Care Centers (data from 20 centers, six departments) were due to ILI. During Week 44 of the two previous seasons, 0.13% (08-09) and 0.01% (07-08) of patient visits to Cigna Health Care Centers were due to ILI. (*Provisional data; may change in subsequent reports as updated information becomes available.)
- The percentage of Emergency Department visits for ILI (data from 17 hospitals) was 4.30% for Week 44.



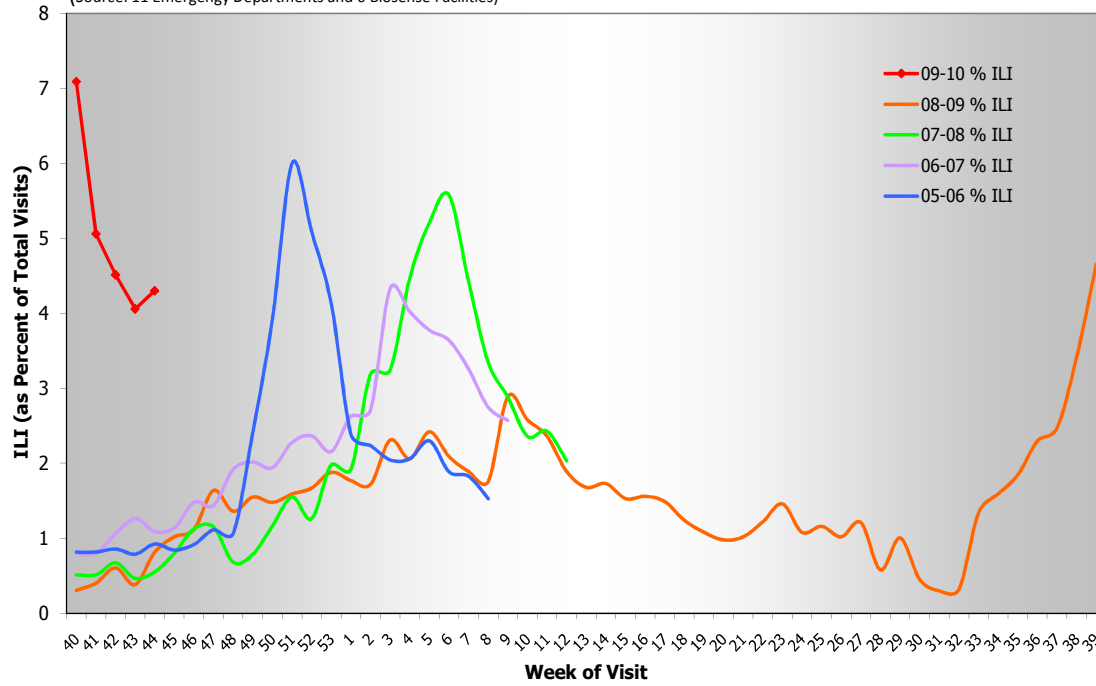
*Data may change in subsequent reports as updated information becomes available.



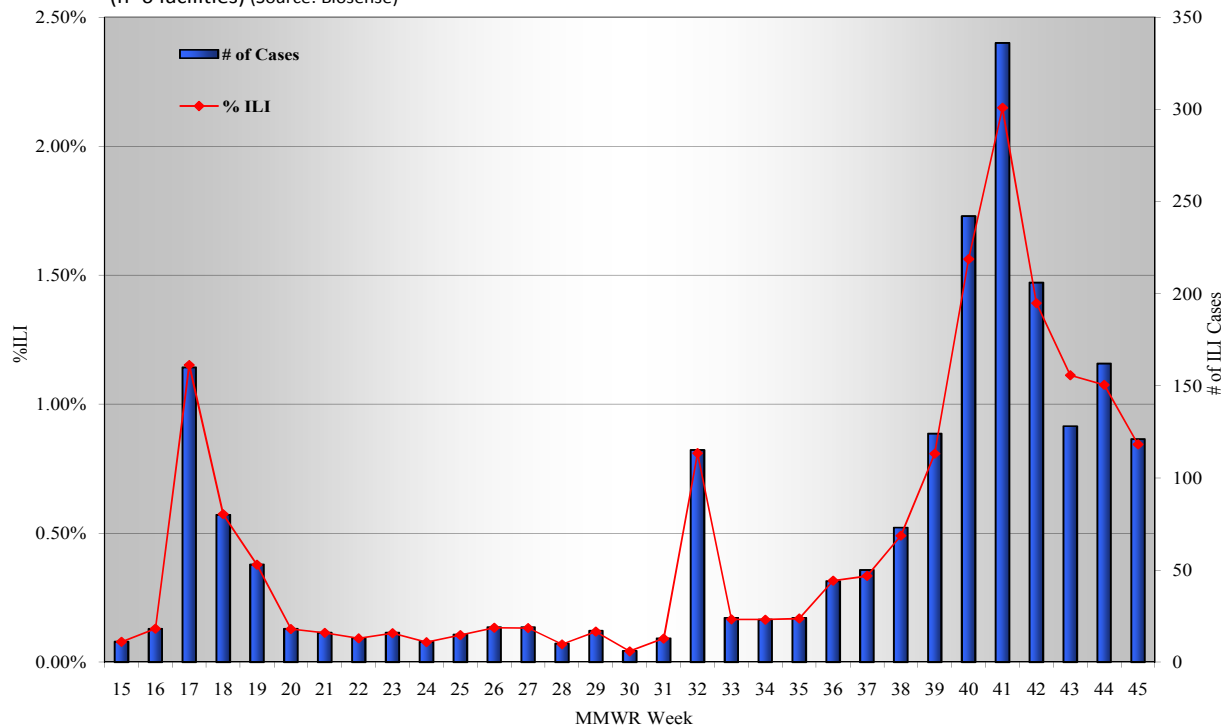
*Data may change in subsequent reports as updated information becomes available.

Hospital Emergency Departments (n=17): ILI Visits as Percentage of Total Visits
05-06, 06-07, 07-08, 08-09 & 09-10 Seasons

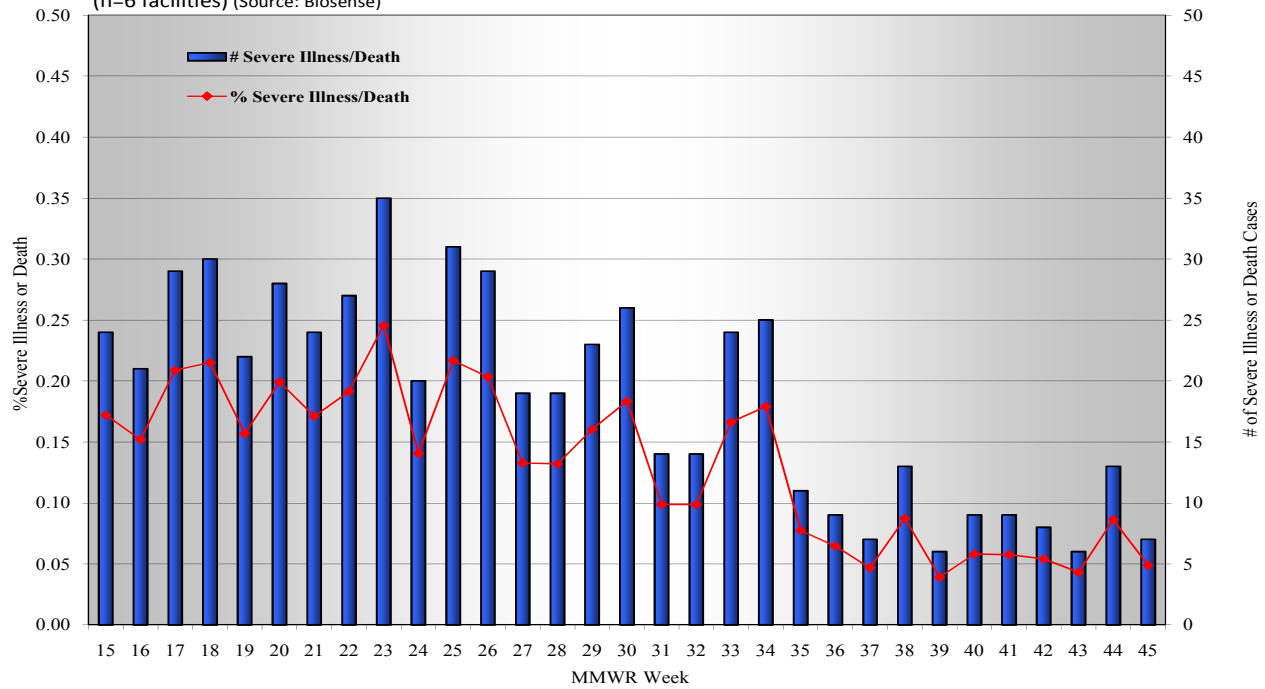
(Source: 11 Emergency Departments and 6 Biosense Facilities)



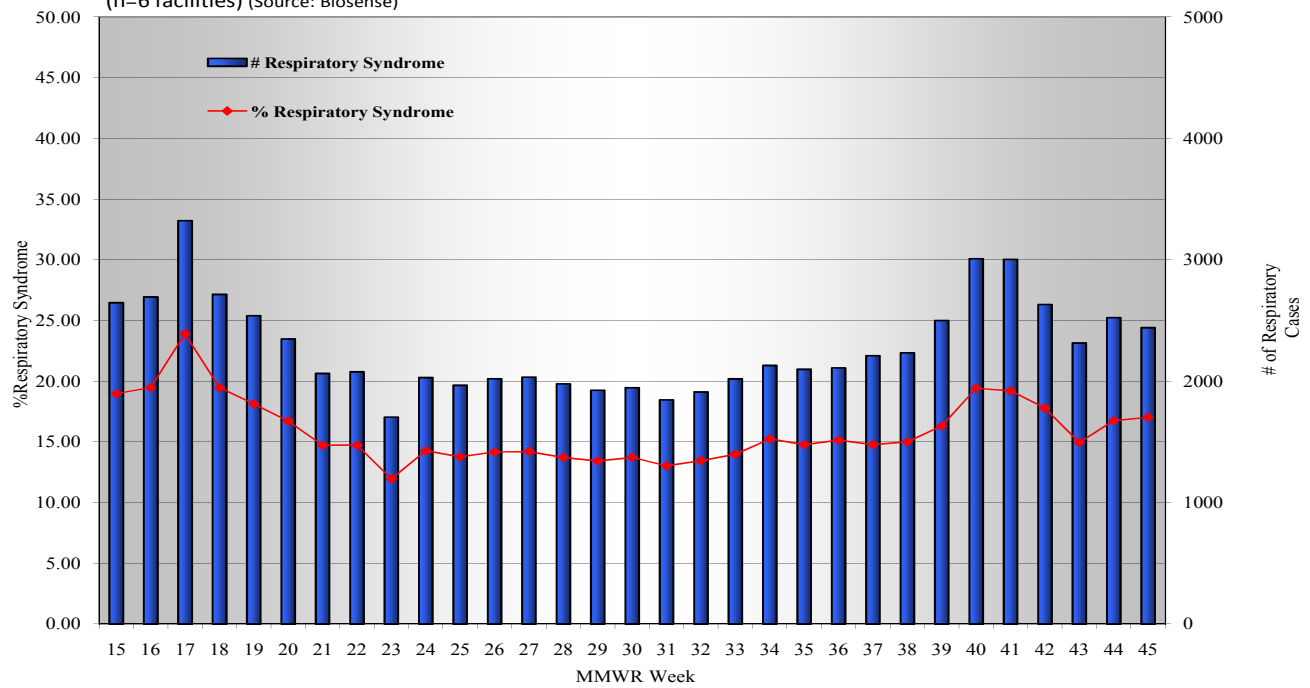
Selected Emergency Departments Weekly Syndromic Surveillance: Influenza-Like-Illness
(n=6 facilities) (Source: Biosense)



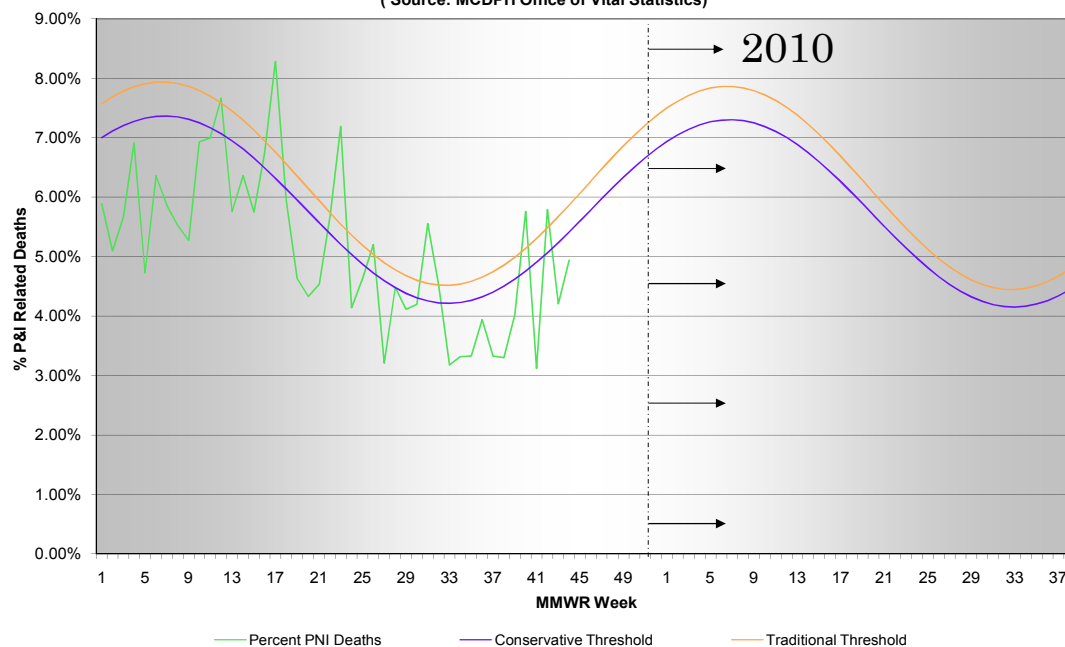
Selected Emergency Departments Weekly Syndromic Surveillance: Severe Illness or Deaths
(n=6 facilities) (Source: Biosense)



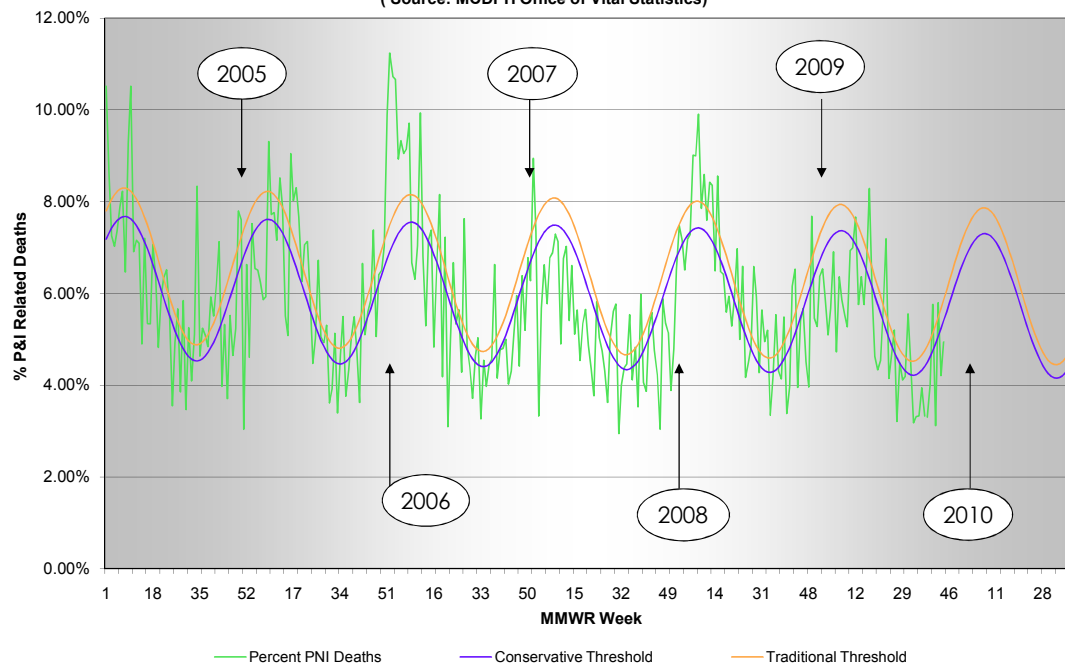
Selected Emergency Departments Weekly Syndromic Surveillance: Respiratory
(n=6 facilities) (Source: Biosense)



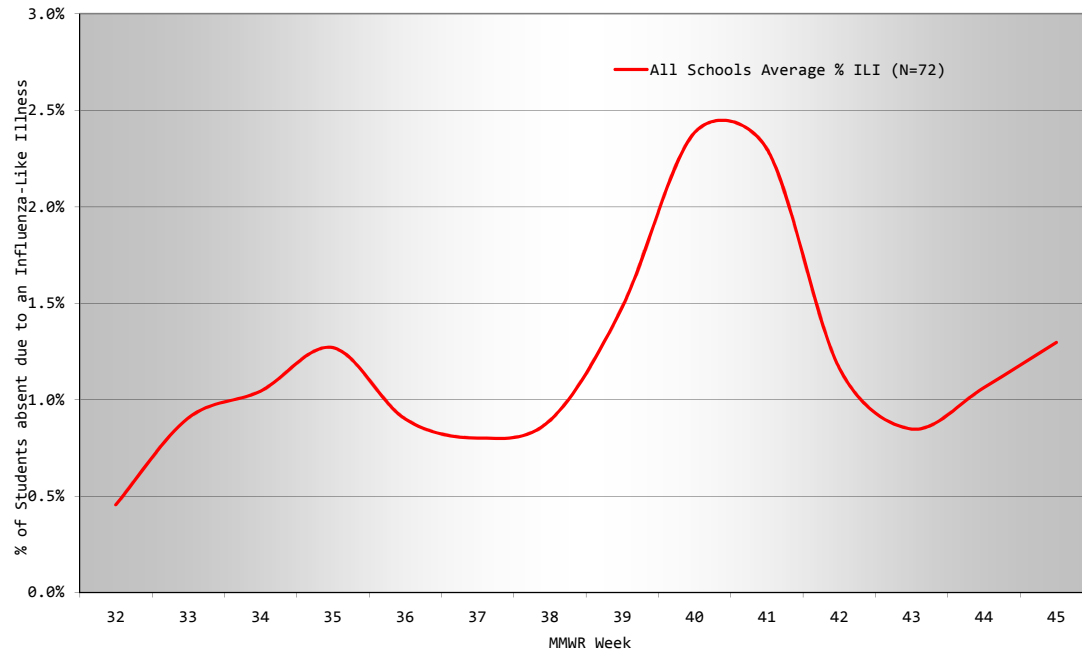
Maricopa County 2009-2010
Pneumonia and Influenza Related Deaths
 (Source: MCDPH Office of Vital Statistics)



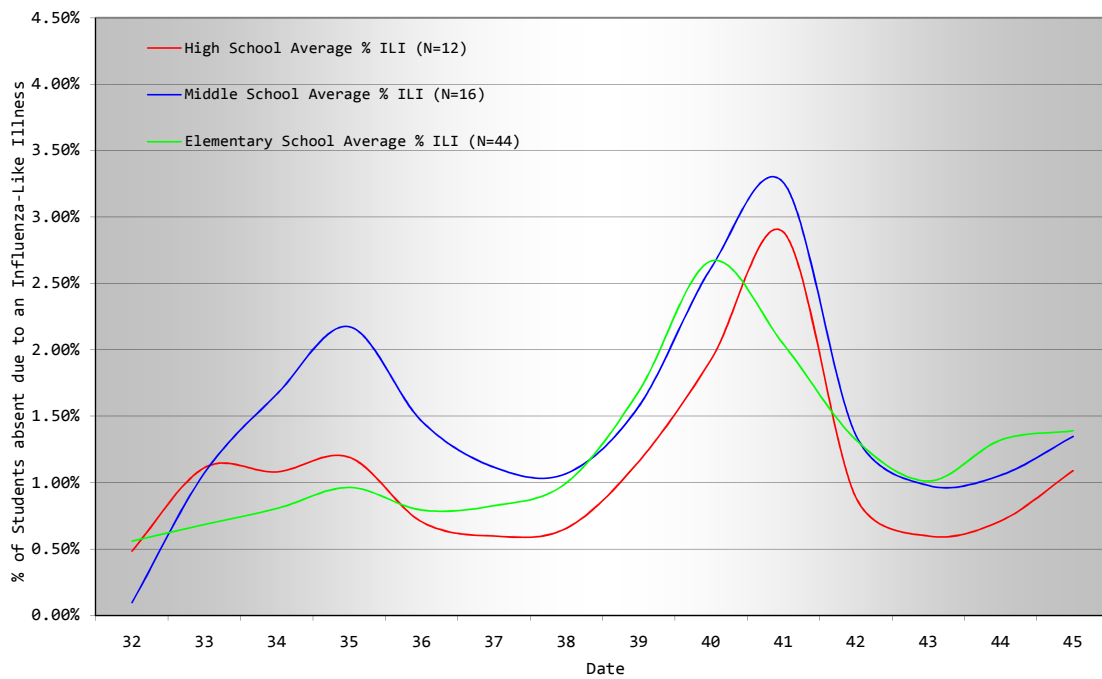
Maricopa County 2004-2009
Pneumonia and Influenza Related Deaths
 (Source: MCDPH Office of Vital Statistics)



Maricopa County 2009-2010:
School ILI Surveillance by MMWR Week (N=72 Schools)



Maricopa County 2009-2010:
School ILI Surveillance by MMWR Week and Type of School



Influenza Activity outside Maricopa County

Information on influenza activity outside Maricopa County is available at these sites:

- http://azdhs.gov/phs/oids/epi/flu/az_flu_surv.htm (Arizona Department of Health Services)
- <http://www.cdc.gov/flu/weekly/fluactivity.htm> (CDC)

Due to wide variability between national- and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.

Please email any questions about this report to: dereksteinke@mail.maricopa.gov.

Report generated: 11/13/09.

Influenza Surveillance Participants include:

Arizona Department of Health Services

Cigna Health Care Centers

Arizona State University Campus Health Services

Local Hospital Emergency Departments & Infection Control Practitioners

Maricopa County Public Schools (72 randomly selected)